

Original

LB/Don / 104 / 06

376

CONSERVATION AND THE
STRATEGIC INTERGRATION WITH THE
DEVELOPMENT ACTIVITIES OF THE URBAN
SPACE .

A CASE STUDY OF COLOMBO.



Electronic Theses & Dissertations
www.lib.mrt.ac.lk LIBRARY
UNIVERSITY OF MORATUWA, SRI LANKA
MORATUWA

69 "05"
711.4(043)

MUDITHA SENEVITATNE .

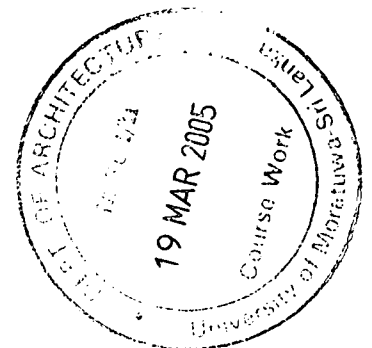
DEPARTMENT OF ARCHITECTURE,
FACULTY OF ARCHITECTURE
UNIVERSITY OF MORATUWA .

M Sc2 2004/5

85504



University of Moratuwa



1

85504

85504

DECLARATION

I declare that, the content of this dissertation is not a product done by any body, otherwise who hadn't being acknowledged. This product was not submitted to any other university or an institute prior to this occasion.



Signed by : S.R.M.P. Senevirathne

A handwritten signature in black ink, which appears to read "Senevirathne", is written over a horizontal line.

Supervisor : Prof. Samitha Manawadu

ABSTRACT

City of Colombo as a post Colonial – living Port City, is at present facing the Contradiction of the Conservation of the Historic Urban Fabric- which provides the opportunities ,Knowledge for the well being of the Humanity, yet, contradicts with the Trends and Impacts of the Current Development Inclinations, which the Market Behaves as a Protagonist , in the Context .

The Resulting formation of the City . Which , make a prompt for the contradiction in between the Conservation and the above development trends on the context ,thus in a need to be Integrated, to Sustain the Survival . and make manipulate Each other .

While Looking for a mode of Integration , a deep study is to be done ,with the transformation of the City of Colombo which caused the present face of Colombo .Thus, can be organized within several Periods of time Segments, in accordance with their similarity of the generators of Evolution .

Discussing in the Chapter one- the Pre-Colonial Colombo, Colombo under The Portuguese, Colombo under the Dutch and British is done to an in depth study

In the Second Chapter the need of conserving the evidences of the specific elements or the components of the periods will be Discussed.

Chapter three intends to Examine the contribution of the Colonial Structures to the City Fabric , prior to understand a Summery for a Strategic integration in the Fourth chapter of the Economically pressurized Historic Landscape of the City of Colombo.

The Historic Urban Fabric encoring with a vision and a planned basis which has given the City of Colombo its Original face -containing with the Appropriate Human Scale Structures, yet in a need to be Properly integrated to the Prevalent Socio-Economical needs of the Context . These , gadually has being replacing by Unplanned built achievements ,Pressurized by the higher economic-land value of the prevalent Colombo.

The needs of the capitalism of the context should be balanced and well integrated with the social development of the place .

ACKNOWLEDGEMENT

I should place my Gratitude to Prof. Nimal De Silva ,Architect Vidura Sri Nammuni for the Guidance and Knowledge I have gained Throughout .

am deeply indebted to Dr. Samitha Manawadu, Dr R M K U Rajapakshe, Dr. Indrika Rajapakshe Mr. K S R Perera Head of the Department, PLanning, ,the Department of Economics,Mr Godwin Kodithuwakku NIE Mr Samarasingha Gunaesara- Instructor NIE, Dr. Harsha Munasinghe , Architect prasanna Kulathilaka, Architect Jayanath De Silva, Architect Damith Silva, and Miss. Ayeshani De Silva, For the inspiring Guidance given to me Throughout, for I have benefited a great deal from their valuable advice and encouragement in completion of this work.

I must thank for Mr. Kalugampitiya , NITSL Staff and friends for the encouragement given to me in this study.

I must thank Mrs. P N Leelaratne and Ms. Chandima Ranatunge for assistance.

My sincere thanks are due to Kalyani, Kalum , and others for their valuable help ideas criticism they have given to me in various ways.

I must thank all those help in many ways to undertake this work and set to its completion.

Last but not least I would like to convey my thanks to loving Amma & Thatththa for the immeasurable help given to me on many occasions and in many respects throughout the completion of this Dissertation.

Finally , I should bow to those Silent Creators of those speaking places , which makes us find modes to integrate them to the Present, Future,.... For the rest. In Places .

LIST OF CONTENTS .

PAGE NO

ABSTRACT .

ACKNOWLEDGEMENT .

LIST OF ILLUSTRATIONS .

INTRODUCTION .

Significance of the Study .

Need of the Study

Definitions

Urban Space

Definition : Movement Space

Urban conservation

Definition.

Development

Definition : Earlier Version

Definition : Later Version

Integration

Definition



University of Moratuwa, Sri Lanka
Electronic Theses & Dissertations
www.lib.mrt.ac.lk

CHAPTER ONE : THE HISTORIC DEVELOPMENT OF THE CITY OF COLOMBO .

1-1 Emergence of the South Asian Port City

2-1.1 Early history of Colombo

2-1.2 South Asian Port City .

2-1.3 The Development of the City of Colombo as a Port City .

2-1 The Portuguese Period of Colombo .

2-1.1 The Historical Background .

2-1.2 The City of Colombo and its Evolution

2-1.2.1 Fort area and Evolution.

2-1.2.2 The main elements of City formation

2-1.2.2.1 Street Formation

2-2 The Dutch Period of Colombo .

2-2.1 The Historical Background .

2-2.2 The City of Colombo and its Evolution .

2-2.2.1 Fort area and Evolution.

2-2.2.2 The main elements of City formation

2-2.2.2.1 Street Formation

2-3 The British Period of Colombo .

2-3.1 The Historical Background .

2-3.2 The City of Colombo and its Evolution .

2-3.2.1 Fort area and Evolution

2-3.2.2 The main elements of City formation

2-3.2.2.1 Street Formation



University of Moratuwa
Electronic Theses & Dissertations
www.lib.mrt.ac.lk

2-4 The Post Colonial Colombo .

2-4.3 The Background of the City Formation ..

2-4-3.1 The City of Colombo and its Evolution .

2-4-3.2 Potentials and Problem related with Colombo As a Post Colonial City

2-4-3.3 Fort Area and its Evolution.

2-4-3.3.1 Street Formation

2-4-3.3.2 Building Types

CHAPTER TWO : CONSERVATION STRATERGIES OF THE POST COLONIAL SRI LANKA

2.0 conservation aspect

2-1 Definition

2.1.1 Philosophy of Conserving historic Buildings

2.1.2 The reasons for conserving historic buildings

2.2 The principals of the Architectural Conservation .

2.2.1 Conservation and the social and Cultural Dimension

2.2.2 Study Aspects of the Conservation

CHAPTER THREE: Transformation of the City of Colombo .

CASE STUDY

:Mudalige Mawatha



University of Moratuwa, Sri Lanka
Electronic Theses & Dissertations
www.lib.mrt.ac.lk

3-1 Changing Pattern of the Mudalige Mawatha .

3-1-1 Original Formation of Mudalige Mawatha .

3-1-2 Evolution

3-2 Post-Colonial Mudalige Mawatha and the Architectural Contribution of the Historic Fabric to the existing Context of Mudalige Mawatha .

3.2.1.1 Physical Quality of the Mudalige Mawatha .

3.2.1.1.1 3D Study of the Mudalige Mawatha .

3.2.1.2 Mudalige Mawatha as a Movement Space .

3.2.1.2.1 location

3.2.1.2.2 Definitions of Beginning and the end

3.2.1.2.3 Directional Quality

3.2.1.2.3.1 Segmentation

3.2.1.2.3.2 Sense of Movement.

3.2.2 Functional Character of the Street

3.2.2.1 Land Use Pattern of the Mudalige Mawatha

3.2.2.2 Functions of the Existing Buildings .

3.1 Summary

CASE STUDY : York Street

3-1 Changing Pattern of the York Street.

3-1-3 Original Formation of
York Street

3-1-4 Evolution



University of Moratuwa, Sri Lanka.
Electronic Theses & Dissertations
www.lit.mrt.ac.lk

3-2 Post-Colonial York Street and the Architectural Contribution of the Historic
Fabric to the existing Context of York Street

3-2-1 Physical Quality of the York Street

3.2.2.2.1 York Street as a Movement Space

3.2.2.2.1.1 Location

3.2.2.2.1.2 Definitions of Beginning and the end

3.2.2.2.2 Directional Quality

3.2.3 Functional Character of the Street

3.2.3.1 Functions of the Existing Buildings .

3.2 Summary

CHAPTER THREE: Transformation of the City of Colombo

CASE STUDY : Upper Chatham Street

- 3-1 Changing Pattern of the Upper Chatham Street
- 3-2 Original Formation Upper Chatham Street.
 - 3-2.1 Evolution
- 3-3 Post-Colonial Upper Chatham Street and the Architectural Contribution of the Historic Fabric to the existing Context of Mudalige Mawatha .
- 3-4 Physical Quality of the Upper Chatham Street
 - 3-4.1 Upper Chatham Street as a Movement Space
 - 3-4.1.1 . Location
 - 3-4.1.2 Definitions of Beginning and the end
 - 3-4.1.2.1 Directional Quality
 - 3-4.1.2.1.1 Segmentation
 - 3-4.1.2.1.1.1 Sense of Movement.
- 3.2.4 Functional Character of the Street
 - 3.2.4.1 Land Use Pattern of the Mudalige Mawatha
 - 3.2.4.2 Functions of the Existing Buildings .
- 3.3 Summary
 - 3.3.1 Degree of Integration with the Prevalent Context.

CASE STUDY : Hospital Street

3-1 Changing Pattern

3-1.1 Original Formation

3-1.2 Evolution

3-2 Post-Colonial Hospital Street and the Architectural Contribution of the Historic Fabric to the existing Context.

3.2.4.3 Physical Quality

Hospital Street as a Movement Space .

3.2.4.3.1.1 location

3.2.4.3.1.2 Definitions of Beginning and the end .

3.2.4.3.1.3 Directional Quality

3.2.5 Functional Character of the Street

3.2.5.1 Land Use Pattern

3.2.5.2 Functions of the Existing Buildings .

3.4 Summary

3.4.1 Degree of Integration with the Prevalent Context.



University of Moratuwa, Sri Lanka.
Electronic Theses & Dissertations

CHAPTER FOUR Evolving A strategy of integrating the Conservation Aspect Of The Colombo fort with the Current Development Trends and Potentials

4.0 Evolving A strategy of integrating the on Conservation Aspect Of The Colombo fort with the Current Development Trends and Potentials.

4.1 Introduction

4.2 Aim Of Study .

4.3 Methodology.

4--3-1 Developing a Methodology.

4-3-1-1 Analysis

4-3-1-1-1 Identifying Key Areas Scoop Area .

4-3-1-1-2 identifying Key Elements .

a- Functional Evolution .

b- Maintaining The character of the City .

4-3-1-1-3 Conclusion for potential areas in the Selected Zone .

4-4 Method of Implementation .

4-4-1 Fort are as an Interplay of the Development potentials and conservation Aspects of the Urban space.

4-4-2 Problems related to the Urbanization of the City.

4-4-3 The Contradiction of the Conservation and the Development Trends.

4-4-4 Urban Conservation Vs Development.

4-4-4-1 Conservation Aspects of the Space on the Cultural Knowledge Emblems.

A Cognitive Schemata of the Environment and the Identification of the space .

B The sign Value of the Built Form .

4-4-5 The comodification of the Urban Space with its Capitalism ,and the Sign Value of the space .

4-5 Mode of Implementation .

4-5-1 Problems .

4-5-1-1 Problems related to Urbanization .

4-5-1-2 Problems Related to Land Use conflict .

a- Problems related to Mixed Use / High Security Zone .

b- Current Mode of Integration of the two Zones .

4-5-2 Potentials.



4-5-2-1 The Neglected / Disconnected Cultural Zones .

4-5-2-2 The Top Tourist hotels at Vicinity .

4-5-2-3 Large Public Attractive Zone at Galle Face.

4-5-2-4 Top commercial bank Area .

4-5-3 Proposals.

4-5-3-1 Identify the Potential Of Cultural Tourism .

4-5-3-1.1 Potential Area .

4-5-3-2 Section And the Analysis of the Area .

4-5-3-2.1 .Method of Integration .

4-5-3-2.2 Identification

4-5-3-2.3 Stake Holder.

4-5-3-2.4 Mode of Implementation .

4-5-3-3 Integrate the Potential cultural zone with the Public Zone
of the Area .Zone Identify the Potential Of Cultural Tourism
Both to Local / International Tourists .

4-5-3-3.1 Potential Area .

4-5-3-4 Section And the Analysis of the Area .

4-5-3-4.1 .Method of Integration .

4-5-3-4.2 Identification

4-5-3-4.3 Stake Holder.

4-5-3-4.4 Mode of Implementation

List of Illustrations .

1. Chinese compass
2. Ptolomy's map
3. Chinese map of the ancient world
4. Arab peninsula
5. The ancient silk and spice route
6. Ptolomy's face in a cultural
7. Ornamental necklace found in England made by ancient Asian's precious stone
8. European compass
9. European trading natives in cultural zone
10. Early sailing ship of Portuguese
11. Gordon gardens boulder with Portuguese Coat-of-arms
12. the coat-of-arm
13. Portuguese planning of city of Colombo
14. map of Colombo and the first Portuguese fort
15. the Portuguese bastion of Colombo
16. Dutch port arrangement of Colombo Sri lanka
17. delft gate stand and the elevation
18. galbokke gate
19. water gate
20. sally Fort and butterfly bridge
21. eastern Gate
22. northern eastern corner of the rampart
23. the Dutch plan of the city of Colombo
24. Dutch governor's residence
25. sunk gardens of the governors Residence
26. stone slab in the entrance door of the swartz door

27. the today's location of the door in script
28. captain sluysken's house in the present day cargils site as a first location
at the present days Cargils city
29. Dutch hospital of the Dutch period a real drawing
30. Dutch hospital plan ground floor and upper floor
31. Dutch hospital section and elevations
32. Dutch hospital perspective view from the northern side
33. old Dutch street in British Colombo
34. decorative gables on houses
35. bell tower at the kayman gate
36. country residence of the Dutch governor at grandpas
37. plan of the Colombo 18089 national archives
38. view of the kings street 1848
39. view of the Chatham street from the queen Street clock tower location
40. clock tower seen end vista of the Chatham street from the York street end
41. York street with British hotel
42. York street beginning of the 20th century
43. queen street from the Galle face
44. queen street from gordon gardens—G.P.O building at vicinity
45. Colombo harbor late 19 century
46. Colombo harbor early 20th century
47. Walls of Colombo
48. Military barrack from the galle Face
49. Dutch canal of the fort
50. Queen house
51. British governors residence
52. Map of the British Colombo 1901

53. Early 20th century fort
54. Harbor with the custom complex
55. Clock tower 19th century
56. Grand oriental hotel British period
57. Stone inscription of the hotel lobby
58. General post office early 20th century
59. General post office 1992
60. Cargils buildings 1990
61. Public work department
62. Old town hall petttah
63. Law court building hulsdorp
64. Bristol hotel British period Colombo
65. Bristol hotel Colombo
66. Colombo 1865
67. Colombo 1905
68. Colombo Harbor And the Stem Shipping Indian Ocean
69. Governors Office
70. Queen;\s Victoria Statue at the Gordon Garden
71. Race Course Main Street Early 20th Century
72. Grandspass Early 20th Century .
73. petttah In the late 19th Century
74. Petttah 1990.




University of Moratuwa, Sri Lanka
www.lib.mrt.ac.lk

Introduction .

The Economic-development with its rapid increase that has been occurring in the last two Decades have been understood with the need for amalgamate the specific 'modus operandi' of the development with the Concepts of introducing the beneficiaries to the society, in its ongoing process .

Thus, the negative impacts of the development occurred , in the ways of unqualified Development while neglecting the carrying capacity of the Environment which it has been taken place .

The economic activities which are taking place at present disregarding the Cultural phenomenon of a particular society & the environment are in the greater need of integrating with the heritage-cultural norms for the well-being of the society



University of Moratuwa, Sri Lanka.
www.lib.mrt.ac.lk

In the case of the Sri Lankan context, specially in specific areas such as the City of Colombo, which are functioning as the Metropolitan-areas of the country ,at the same time bearing their structures of fragile Historical-Cultural fabric signifying the strong Identity , & Knowledge of their inherent character of being a Post -colonial Port City, is in the danger of totally being undervalue , in such an accordance.

Therefore, in such a Context , there is a greater need of analyzing the ways ,& modes of Integrating the two concepts in to each other, the Conservation Aspects of those-norms for the sake of the future generations, in to the Current Development Activities of the present generation .Therefore ,a Systematic approach in an open ended approach is Needed in order to

assure the continuity of the process due to the negative impacts of the Development Arena of the World .

1-1 THE SIGNIFICANCE OF THE PROBLEM :

The Asian Context over the rapid Development achieved ,has being undertaking by the positive activities of Economics , especially through the last two Decades thus, followed by the rapid Urbanization., proceeds with complex Socio-political and Economic Issues such as the,

- 1) scarcity of the Land
- 2) The higher land values particularly in the City centers. In such a context,
- 3) the availability of the variety of choices for a particular land.
- 4) has being encouraging, the economically most appropriate choice to be taken over for the land, rejecting the Obsolescence one .



University of Moratuwa, Sri Lanka.
Electronic Theses & Dissertations
www.lib.mrt.ac.lk

In the view of that, The Market has being the Greater protagonist of the changing world, and the politics, and the Economies are conditioning and stimulating the Culture and its norms, the materiality , yet non-materially than ever before.

The active construction process taken over such lands Particularly, in the Urban centers happens with the Verticality in concept, than Horizontally inthis approach.

Yet, the Spaces, every urban space has its own Identity, which Symbolically representing the humanity & its Knowledge, related with its cultural norms. The inheritance and existence of that particular place is stating the image / symbolic aspect or, the Imagability of that specific place .

Therefore ,It is important to find ways of utilizing The Knowledge and the identity behind these structures that would provide guidance for the development process .

Therefore , its important to find the ways to 'accommodate' these Historical or cultural norms, under specific Guidance Such as the International Historic Charters with the Development agendas which overpowers the dangers of being in the obsolesce against the Economical trends of the century.

Further it is important to allocate the concepts of achieving the modes of an Integrated Implementation in the Development of the Environment in these areas, while finding the ways of integrating both the Social and Cultural modes with the Economic phenomenon for the Area , and adopting the cultural-historic Fabric for make opportunities ,not as hindrances for Social and Economic Development in these sensitive heritage Areas.



1-3 OBJECTIVES :

- 1) Identify the Modes of Integration of the Conservation aspects and the Development aspect for the Area.
- 2) Implement the 'Open-ended' character of the planning agendas in finding solutions to integrate the Economic-development with the conservation of .Historical Cultural Landscape of Sustainable Development .

1.4 RESEARCH QUESTIONS :

- 1) What is the Present situation of Historic Landscapes ?
- 2) what is the conservation aspect of the Urban Space?
2) What are the current Development Activities carried out in the Sample Area?
- 3) What are the effects on the Historical Landscapes due to the Economic – development Activities ?
- 4) What are the Alternative Development techniques of integrating the conservation aspects to development process?

1-5 OPERATIONAL DEFINITIONS :

1- The Architectural Conservation

The Architectural Conservation of the historical site , or a Monument is considered as a highly specialized work, that should be done with a considerable amount of care and skill in the process.

In the process a specific procedure is recommended to be followed in the procedure .This is followed by a series of steps as mention below, that is t be taken place in the procedure .

2- The Development :

The Definition Development has being Understand throughout the world in the sense of uplifting the Socio- Goals of the Globe .Thus , the term Development is defined as with a closer meaning of achieving the ' Economic Growth 'goals of the country .The term ' Development ' - is entitled with a Broader meaning rather than applications of achieving the Economic growth implications such as the gross National product (GNP) : It is enacted with the achievements of the quality of Life .

The Development Goals of the Recent past is more or less has being basically focused on the an Economic Phenomenon , Micheal P. Todaro in his Economics of Developing World Defines the 1977 , Defines the Traditional terms of the Economic Development as

"....the capacity of a national Economy , Whose initial economic condition has being more or less static for a long time ,to generate and sustain an annual increase in its gross at products at rates of perhaps 5 to 7 per cent or more....."

Thus it again states the goals for the Development for example in the 1960 and 1970 , states largely in terms of the Attaining of a six present annual target Growth rate of GNP. Therefore , the Development Strategies were essentially focused on the rapid Urban Industrialization , only small amounts of the Resources were being subjected to the uplifting of the Agriculture of the Rural Sector .

Even though , large number of the nations , including the Third world countries were achieved these overall Growth Goals of the Economic achievements , such acquirements has not done enough Contributed to do any significant change in the Living conditions of the masses of people of the World . The situation has influenced a need for the world to look at the Subject of Development in a different point of view .

The Development , therefore has being focused towards some multi dimensional Achievements . It was focused towards a need for finding men's of elevating the sustained elevation of the social system as a whole . Thus achieving towards the ultimate means for reduction of the Poverty , inequality and unemployment within the context of the Growing economy .

Therefore, in the Last Decades of the Twentieth Century the Development achievements were more focused towards the achieving the inner means of Development , Such as,

- 1) life Sustains
- 3) Protecting the Self -Esteem.
- 4) freedom .

2-0 METHODOLOGY :

2-1 Research method :



University of Moratuwa, Sri Lanka.
Electronic Theses & Dissertations
www.lib.mrt.ac.lk

The Cluster Sampling is selected as the research method, while selecting three Sensitive Sample Areas in the Fort Area is Selected for the Study .

Therefore, in the finding modes of Integration of the Conservation and the Development Aspect and Trends of the area, there is a vital need for understanding of the evolution happened over the subjected Land area , the fort-Colombo, in order to Analyze the Area .This is basically done in order to identify ,

- 1) Identify Distinct Periods of time Periods Which the Evolution is Occurred
- 2) Identify the key aspects of the Distinct Time-Periods ,which gave any Specific Objective of Implementing the Planning of the Area .
- 3) Current Conservation Principles Allocating in to the Area.

4) Identify the major Elements which has been evolving , and Participating in its Evolved Form for making the basis of the City Formation .

1- Identify the Key Elements of the City-Scape of Present Fort Area which has being exiting and evolving according to the Aspect of the Specific Periods of time .

2- Identify sensitive Areas that can be subjected under the Conservation Aspects

5)Identify Potentials for Integrating the Prevalent Human Activities of the area ,while integrating them in the Conservation Aspect as an on-going process of the Location .

2-2 USERS :

The Public Enterprise

The Civic Enterprise/The Government

The Residential Groups

Tourists

2.3 DATA COLLECTION METHOD :

- 1) Documentary survey
- 2) Photographic Survey .
- 3) Context Analysis-
- 4) Documentary Analysis.
- 5) Observation .

2.5 LIMITATIONS

Colombo –Fort Area is Selected , among the other segments of Colombo.

2.6 IMPORTANCE OF THE STUDY :

- 1) To the Decision Making Bodies of the Area.
- 2) Planners
- 3) Architects
- 3) Public Enterprise/The Civic Enterprise/The Government

In order to Implement an integrated Approach of Development .



University of Moratuwa, Sri Lanka.
Electronic Theses & Dissertations
www.lib.mrt.ac.lk

Thus, using them in such way that the conservation would compromise with the prevalent development trends ,would therefore enhance the Long Lasting character of the Conservation Process. ,and the Well being of the Development –or enhance the self esteem of the city users .

Thus inter-dependent life style should not be interrupted ,during the conservation process. This should not be recognized as a self-contained exercise , while - Urban conservation is a development process, that develops the urban environment as well as the users.

- 1) This rather Coinciding for ,Both the Conservation , and the Development in the Environment are to be done – for the Well-being of the Humanity while, finding modes of implementing , in the study .

